

IN THE U.S. PATENT AND TRADEMARK OFFICE

In re application of

Alexandra M.C.R. ALVES et al.

Conf.

Application No. NEW NATIONAL PHASE

Group

Filed July 14, 2006

Examiner

METHOD FOR OVERPRODUCING A SPECIFIC RECOMBINANT PROTEIN WITH P.  
CINNABARINUS MONOKARYOTIC STRAINS

INFORMATION DISCLOSURE STATEMENT  
(SUBMISSION CONCURRENT WITH THE  
FILING OF A NEW PATENT APPLICATION)

Assistant Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

July 14, 2006

Sir:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98, and in fulfillment of the duty of disclosure under 37 C.F.R. § 1.56, applicant(s) hereby submit(s) an Information Disclosure Statement for consideration by the Examiner.

I. LIST OF PATENTS, PUBLICATIONS OR OTHER INFORMATION

The patents, publications, or other information submitted for consideration by the Office are listed on PTO-1449, attached hereto.

II. COPIES

- ☒ Copies of the U.S. patents or publications are not submitted since the USPTO has waived their submission for applications filed after June 30, 2003.
- ☒ Submitted herewith is a legible copy of (i) each foreign patent; (ii) each publication or that portion which caused it to be listed; and (iii) all other information or that portion which caused it to be listed.
- ☐ This application is a National Phase of a PCT application. Some or all of the documents listed on the PTO-1449 are not enclosed because they were cited in the International Search Report and copies should have been forwarded from the International Search Authority pursuant to the trilateral agreement between the USPTO, EPO and JPO, or they are U.S. patents or U.S. published applications. If copies are needed, please contact the undersigned.

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III. CONCISE EXPLANATION OF THE RELEVANCE  
(check at least one box)

MP6 Rec'd PCT/PTO 14 JUL 2006

a. ☐ **DOCUMENTS IN THE ENGLISH LANGUAGE**

The attached non U.S. patents, non U.S. patent application publications, foreign publications, or other information in the English language do not require a statement of relevancy.

b. ☐ **DOCUMENTS NOT IN THE ENGLISH LANGUAGE**

A concise explanation of the relevance of all patents, publications, or other information listed that is not in the English language is as follows:

c. ☒ **FOREIGN SEARCH REPORT OR ACTION**

An foreign language version of the search report or action that indicates the degree of relevance found by the foreign office is attached, thereby satisfying the requirement for a concise explanation. See MPEP 609(A)(3).

d. ☐ **OTHER**

The following additional information is provided for the Examiner's consideration.

FEES

This Information Disclosure Statement is being filed concurrently with the filing of a new patent application; therefore, no fee is required.

If The Examiner has any questions concerning this IDS, he/she is requested to contact the undersigned.

Respectfully submitted,

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Enclosures: ☒ Form PTO-1449(s)  
☒ Documents  
☒ Foreign Search Report  
☐ Other: \_\_\_\_\_

<b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>  (Use several sheets if necessary)				Attorney Docket No.: <b>0508-1167</b>		Application No.: <b>NEW NATIONAL PHASE</b>	
				Applicant: <b>Alexandra M.C.R. ALVES et al.</b>			
				Filing Date: <b>July 14, 2006</b>		Group Art Unit:	
<b>U.S. PATENT DOCUMENTS</b>							
Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing date (if appropriate)	
	6 551 797	4/22/2003	PFALLER et al.				
<b>FOREIGN PATENT DOCUMENTS</b>							
Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
	0 300 466	1/25/1989	EUROPE				
	2001 157586	6/12/2001	JAPAN				
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>							
ALVES ALEXANDRA M C R ET AL.; "Highly efficient production of laccase by the basidiomycete pycnoporus cinnabarinus", APPLIED AND ENVIRONMENTAL MICROBIOLOGY, vol. 70, no. 11, novembre 2004 (2004-11), pages 6379-6384, XP002341841 ISSN: 0099-2240 le document en entier -& DATABASE EMBL "Online! 1 fevrier 2005 (2005-02-01), "Pycnoporus cinnabarinus laccase gene, promoter region, 5' UTR and partial cds.", XP002341845, extrait de EBI accession no. AY534884 le document en entier							
RECORD ERIC ET AL.; "Expression of the Pycnoporus cinnabarinus laccase gene in Aspergillus niger and characterization of the recombinant enzyme", EUROPEAN JOURNAL OF BIOCHEMISTRY, vol 269, no. 2, janvier 2002 (2002-01), pages 602-609, XP002295718, ISSN: 0014-2956, le document en entier							
EGGERT CLAUDIA ET AL.; "Molecular analysis of a laccase gene from the white rot fungus Pycnoporus cinnabarinus", APPLIED AND ENVIRONMENTAL MICROBIOLOGY, vol 64, no. 5, mai 1998 (1998-05), pages 1766-1772, XP002295719, ISSN: 0099-2240, le document en entier -& EMBL "Online! 13 mai 1998 (1998-05-13), EGGERT C ET AL.; "Pycnoporus cinnabarinus laccase (lcc3-1) gene, complete cds.", XP002295723, Database accession no. AF025481, le document en entier							
HERPOEL ISABELLE ET AL.; "Selection of Pycnoporus cinnabarinus strains for laccase production", FEMS MICROBIOLOGY LETTERS, vol. 183, no. 2, 15 fevrier 2000(2000-02-15), pages 301-306, XP002295720, ISSN: 0378-1097, le document en entier							
SIGOILLOT C ET AL.; "Lignocellulolytic and hemicellulolytic system of Pycnoporus cinnabarinus: Isolation and characterization of a cellobiose dehydrogenase and a new xylanase", ENZYME AND MICROBIAL TECHNOLOGY, vol. 31, no. 6, 1 novembre 2002 (2002-11-01), pages 876-883, XP002295721, ISSN: 0141-0229, le document en entier							
SCHUREN FRANK H J ET AL.; "Highly-efficient transformation of the homobasidiomycete Schizophyllum commune to phleomycin resistance", CURRENT GENETICS, vol. 26, no. 2, 1994, pages 179-183, XP008051258, ISSN: 0172-8083, figure 1							
WESSELS J G H ET AL.; "EXPRESSION OF DIKARYON-SPECIFIC MESSENGER RNA OF SCHIOPHYLLUM-COMMUNE IN RELATION TO ENVIRONMENTAL CONDITIONS AND FRUITING", JOURNAL OF GENERAL MICROBIOLOGY, vol. 133, no. 9, 1987, pages 2557-2562, XP008051259, ISSN: 0022-1287, tableau 1							

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MPEP 2006 PCT/PTO 14 JUL 2006

	<p>DATABASE EMBL "Online!", 19 Septembre 2000 (2000-09-19), "Pycnopus cinnabarinus laccase (lac1) mRNA, complete cds.", XP002341846, extrait de EBI accession no. EM_FUN:AF152170, Database accession no. AF152170, le document en entier</p>
	<p>MARTINEZ AT : "Fungal metalloenzymes oxidizing aromatic compounds of industrial interest" "Online!", 25 November 2003 (2003-11-25), XP002295843, Extrait de l'Internet:, URL: <a href="http://www.cib.csic.es/lignina/pelas/pelas.html">http://www.cib.csic.es/lignina/pelas/pelas.html</a> &gt; "extrait le 2004-09-10! *alinea '0005!</p>
	<p>LOMASCOLO A ET AL.: "Overproduction of laccase by a monokaryotic strain of Pycnopus cinnabarinus using ethanol as inducer.", JOURNAL OF APPLIED MICROBIOLOGY, vol. 94, no. 4, 2003, pages 618-624, XP002295716, ISSN: 1364-5072, *le document en entire*</p>
	<p>SIGOILLLOT JEAN-CLAUDE ET AL.: "Laccase production by a monokaryotic strain of Pycnopus cinnabarinus derived from a dikaryotic strain", WORLD JOURNAL OF MICROBIOLOGY AND BIOTECHNOLOGY, vol. 15, no. 4, aout 1999 (1999-08), pages 481-484, XP008035159, ISSN: 0959-3993, *le document en entire*LE</p>
	<p>OTTERBEIN LUDOVIC ET AL.: "Molecular cloning of the cDNA encoding lacasse from Pycnopus cinnararinus I-937 and expression in ichia pastoris", EUROPEAN JOURNA OF BIOCHEMISTRY vil. 267, no. 6, mars 2000 (2000-03), pages 1619-1625, XP002295717, ISSN: 0014-2956, *le document en entire*- &amp; DATABASE EMBL "Online! 24 November 1999 (1999-11-24), OTTERBEIN L ET AL.: "Pycnopus cinnabarinus laccase (lac1) gene, complete cds.", XP002295722, Database accession no. AF170093 *le document en entire*</p>
<p>EXAMINER:</p>	<p>DATE CONSIDERED</p>
<p>EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.</p>	

\* English language abstract provided for the Examiner's convenience

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